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TO: Examiner Schwadron
FROM: Stephanie Seidman
DATE: April 16, 2002
YOUR REF: 09/127,138
OUR DOCKET NO: 24731-500E

NO. OF PAGES INCLUDING THIS PAGE: 11

Dr. Schwadron: Per your request, please find enclosed the faxed copy of Office Action received from USPTO on 10/09/01 and our *Response to Office Action dated 1/10/02*. If you have any further questions please do not hesitate to contact me.

Sincerely,

A handwritten signature in black ink that appears to read "Cindy Koppelman".
Cindy Koppelman
Patent Assistant
858-450-8451

SPECIAL INSTRUCTIONS: Please confirm receipt of the attached document by date-stamping the first page as received and faxing it to us or by calling the sender. Thank you.

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Gruenb rg, M.

Serial No.: 09/127,138

Filed: July 31, 1998

For: AUTOLOGOUS IMMUNE CELL
THERAPY: CELL COMPOSITIONS,
METHODS AND APPLICATIONS
TO TREATMENT OF HUMAN
DISEASE

Art Unit: 1644

Examiner: Schwadran, R.

I hereby certify that this paper and the attached papers are being deposited with the United States Postal Service as first class mail in an envelope addressed to:
 Commissioner for Patents
 Washington, D.C. 20231, on this date.

10/10/2001

Date

Kelly Fischer
Kelly Fischer

TRANSMITTAL LETTER

Commissioner for Patents
Washington, D.C. 20231

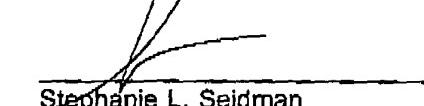
Sir:

Transmitted herewith is a Supplemental Amendment responsive to the Paper, received on October 9, 2001, and supplemental to the response, mailed November 13, 2000, to the Office Action, mailed May 15, 2000. If a Petition for extension of time is needed, this paper is to be considered such Petition.

- The Commissioner is hereby authorized to charge any fee, including any submitted herewith if the attached check(s) is in the wrong amount or otherwise improper or missing, that may be due in connection with this and the attached papers, or with this application during its entire pendency to or to credit any overpayment to Deposit Account No. 50-1213. A duplicate of this sheet is enclosed.

Respectfully submitted,
 HELLER EHRMAN WHITE & McAULIFFE LLP

By:


 Stephanie L. Seidman
 Registration No. 33,779

Attorney Docket 24731-500E
 Address all correspondence to:
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HELLER EHRLICH SD

04/16/2002 10:38 FAX 8584508

THE STAMP OF THE U.S. PATENT AND TRADEMARK OFFICE AFFIXED
HERETO WILL BE EVIDENCE OF RECEIPT OF THE FOLLOWING SENT
VIA FIRST CLASS [PRIORITY] MAIL ON 10/10/01:

CLIENT NO.: 24731-500E SLS:SP:kmf
ENCLOSURES: TRANSMITTAL LETTER (in duplicate);
 SUPPLEMENTAL AMENDMENT (2 pages);
 ATTACHMENT TO SUPPLEMENTAL AMENDMENT;
 and RETURN POSTCARD.
APPLICANT: GRUENBERG, M.
SERIAL NO.: 09/127,138 FILING DATE: 07/31/98
FOR: AUTOLOGOUS IMMUNE CELL THERAPY: CELL
 COMPOSITIONS, METHODS AND APPLICATIONS TO
 TREATMENT OF HUMAN DISEASE

PLEASE STAMP HERE (THANK YOU):

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: MICHEAL L. GRUENBERG
 Serial No.: 09/127,138
 Filed: July 31, 1998
 For: AUTOLOGOUS IMMUNE CELL
 THERAPY: CELL COMPOSITIONS,
 METHODS AND APPLICATIONS TO
 TREATMENT OF HUMAN DISEASE
 Art Unit: 1644
 Examiner: Schwadron, R

I hereby certify that this paper and the attached papers are being deposited with the United States Postal Service as first class mail in an envelope addressed to:
 Commissioner for Patents
 Washington, D.C. 20231, on this date.

10/10/01
 Date

Kelly Fischer
 Kelly Fisher

SUPPLEMENTAL AMENDMENT

Commissioner for Patents
 Washington, D.C. 20231

Dear Sir:

Responsive to the Paper, received on October 9, 2001, and supplemental to the response, mailed November 13, 2000, to the Office Action, mailed May 15, 2000, please amend the above-captioned application as follows:

IN THE CLAIMS:

Please replace claims 124 and 126 with the following amended claims (a marked-up copy of the amended claims is attached to this Supplemental Amendment):

i 1
 124. (Amended) A method for altering the regulatory balance of immune cells in a human, comprising administering to the human a composition comprising at least 10^{10} Th1 cells.

i 2
 126. (Twice Amended) The method of claim 48, wherein at least 10^{11} cells are reinfused.